www.innocyto.com.cn

InnoCyto Inc.

15375 Barranca Pkwy, Suite I-103
Irvine, CA 92618
Email: info@innocyto.com
Phone: 1-949-418-7543

# PerCP/Cyanine5.5 Anti-Human CD45 Antibody

| | |
|---|---|
| **Catalog Number:** | 106521, 106522 |
| **Size:** | 25 tests, 100 tests |
| **Target Name:** | CD45, LCA, T200 |
| **Regulatory Status:** | RUO |

## PRODUCT DETAILS

| | |
|---|---|
| **Clone:** | HI30 |
| **Application:** | Flow Cytometry |
| **Reactivity:** | Human |
| **Format:** | PerCP/Cyanine5.5 |
| **Isotype:** | Mouse IgG1 |
| **Antibody Type:** | Monoclonal |
| **Formulation:** | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA |
| **Protein Concentration:** | Supplied at a lot-specific concentration. |
| **Storage&Handling:** | The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze. |
| **Recommended Usage:** | For flow cytometric staining, it is recommended to use 5 µL of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application. PerCP/Cyanine5.5 has an excitation max at 482 nm and an emission max at 695 nm. |
| **Excitation Laser:** | Blue Laser (488 nm) |

## BACKGROUND INFORMATION

The CD45 antigen (CD stands for cluster of differentiation) is a protein which was originally called leukocyte common antigen. The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. CD45 is a 180-240 kD single chain type I membrane glycoprotein also known as leukocyte common antigen (LCA) and T200. It is a tyrosine phosphatase expressed on the plasma membrane of all hematopoietic cells, except erythrocytes and platelets. CD45 is a signaling molecule that regulates a variety of cellular processes including cell growth, differentiation, cell cycle, and oncogenic transformation.